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Dated: October 18, 2005

Signature:

  
Joyce A. KrumpalDocket No.: 215384-101174  
(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application of:  
Ken Umeno

Application No.: 10/551,244

Confirmation No.: @@@

Filed: March 26, 2004

Art Unit: N/A

For: Transmitter Apparatus, Receiver Apparatus,  
Transmission Method, Reception Method and  
Program

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

A summary/abstract translation of the non-English language references is enclosed.

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application as required by 37 CFR 1.98(a)(2)(i), amended October 2004, as the U.S. Patent and Trademark Office has waived this requirement for all U.S. patent applications. Applicant submits herewith copies of foreign and non-patents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-3145, under Order No. 215384-101174. A duplicate copy of this paper is enclosed.

Dated: October 18, 2005

Respectfully submitted,

By 

Joseph V. Coppola, Sr.

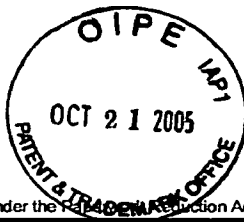
Registration No.: 33,373

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PTO/SB/08a/b (07-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Patent and Trademark Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/551,244
				Filing Date	March 26, 2004
				First Named Inventor	Ken Umeno
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	215384-101174

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
/F.A./	BA	JP-11-243381	09-07-1999			✓
↓	BB	JP-11-177528	07-02-1999			✓
↓	BC	JP-2003-110503	04-11-2003			✓
/F.A./	BD	JP-2001-060937	03-06-2001			✓

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/F.A./	CA	Optical CDMA communication Systems Using Dual Chaos Mappings, The Institute of Electronics, Information and Communication Engineers, Technical Report of IEICE, OCS98-28, PS98-20 (1998-07)	
↓	CB	Code Phase-Shift Multiplexing Multi-Carrier CDMA System, The Institute of Electronics, Information and Communication Engineers, Technical Report of IEICE, RCS 2001-176 (2001-11)	
↓	CC	Error Probability of a Asynchronous CDMA System Based on Chaotic Spreading Sequences, The Institute of Electronics, Information and Communication Engineers, Technical Report of IEICE, IT96-103, ISEC96-95, SST96-110 (1997-03)	
↓	CD	Performance Evaluation for Phase-Coded Spread-Spectrum Multiple-Access Communication-Part I: System Analysis, IEEE Transactions on Communications, Vol. Com-25, No. 8, August 1977	
/F.A./	CE	Chaotic Signals for Multiple Access Communications, Department of Electrical Engineering, Tel-Aviv University, Tel-Aviv 69978	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Freshteh Aghdam/	Date Considered	09/12/2008
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